

CRF Errors Edited by the STIC Systems  
Branch

Serial Number: 10/629,266A

CRF Edit Date: 8/27/04  
Edited by: KQ

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

Corrected the SEQ ID NO. Sequence numbers edited were:

**ENTERED**

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Deleted: ☒ invalid beginning/end-of-file text ; ☐ page numbers

Inserted mandatory headings/numeric identifiers, specifically:

Moved responses to same line as heading/numeric identifier, specifically:

Other:



IFWO

## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/629,266A

TIME: 12:41:20

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\08272004\J629266A.raw

```

3 <110> APPLICANT: Zhang, Yeyan
4      Wilson, C. Ron
5      Craft, David L.
6      Eirich, L. Dudley
7      Frayer, Robert
9 <120> TITLE OF INVENTION: USE OF POX4 PROMOTER TO INCREASE GENE EXPRESSION IN Candida
10     tropicalis
12 <130> FILE REFERENCE: U0158 OS/OAPT (1010-93)
14 <140> CURRENT APPLICATION NUMBER: 10/629,266A
15 <141> CURRENT FILING DATE: 2003-07-29
17 <150> PRIOR APPLICATION NUMBER: 60/401,212
18 <151> PRIOR FILING DATE: 2002-08-05
20 <160> NUMBER OF SEQ ID NOS: 34
22 <170> SOFTWARE: PatentIn version 3.2
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 18
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: primer
32 <400> SEQUENCE: 1
33 caaccgaata accgtgtg                                     18
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 33
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: primer
44 <400> SEQUENCE: 2
45 ttaattaata ttctgggaga aatatcggtg ggg                 33
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 39
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: primer
56 <400> SEQUENCE: 3
57 gataatatcg tgtacagtca ttatgtcgtg aagatttga           39
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 39
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:

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66 <223> OTHER INFORMATION: primer
68 <400> SEQUENCE: 4
69 ttctaggagt tgttcaatca ttatgtcgtg aagatttga 39
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 39
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: primer
80 <400> SEQUENCE: 5
81 atctaacttg tctaaagcca ttatgtcgtg aagatttga 39
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 39
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: primer
92 <400> SEQUENCE: 6
93 tcaaattcttc acgacataat gactgtacac gatattatc 39
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 27
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: primer
104 <400> SEQUENCE: 7
105 ttaattaact gtgcccttgc attgtag 27
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 39
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: primer
116 <400> SEQUENCE: 8
117 tcaaattcttc acgacataat gattgaacaa ctcctagaa 39
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 27
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: primer
128 <400> SEQUENCE: 9
129 ttaattaagg cctgcctct gatggag 27
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 39
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: primer

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## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/629,266A

TIME: 12:41:20

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\08272004\J629266A.raw

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140 <400> SEQUENCE: 10
141 tcaaatcttc acgacataat ggcttttagac aagtttagat 39
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146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: primer
152 <400> SEQUENCE: 11
153 ttaattaact tgacgagctc cgacgac 27
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 16
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: primer
164 <400> SEQUENCE: 12
165 gtaaaacgac ggccag 16
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 17
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: primer
176 <400> SEQUENCE: 13
177 caggaaacag ctatgac 17
180 <210> SEQ ID NO: 14
181 <211> LENGTH: 20
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: primer
188 <400> SEQUENCE: 14
189 agaaaggcac agggcaagac 20
192 <210> SEQ ID NO: 15
193 <211> LENGTH: 20
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: primer
200 <400> SEQUENCE: 15
201 tgccaccaag aacactaccc 20
204 <210> SEQ ID NO: 16
205 <211> LENGTH: 16
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: primer
212 <400> SEQUENCE: 16

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## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/629,266A

TIME: 12:41:20

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\08272004\J629266A.raw

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217 <211> LENGTH: 17
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: primer
224 <400> SEQUENCE: 17
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228 <210> SEQ ID NO: 18
229 <211> LENGTH: 21
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: primer
236 <400> SEQUENCE: 18
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240 <210> SEQ ID NO: 19
241 <211> LENGTH: 21
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: primer
248 <400> SEQUENCE: 19
249 cccaagaaac ttcagaatcg c                            21
252 <210> SEQ ID NO: 20
253 <211> LENGTH: 22
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: primer
260 <400> SEQUENCE: 20
261 tacaaccttg gtgggggtgtg tg                          22
264 <210> SEQ ID NO: 21
265 <211> LENGTH: 17
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: primer
272 <400> SEQUENCE: 21
273 caggaaacag ctatgac                                17
276 <210> SEQ ID NO: 22
277 <211> LENGTH: 20
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: primer
284 <400> SEQUENCE: 22
285 tatgctgaag gtgacgacgg                            20

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## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/629,266A

TIME: 12:41:20

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\08272004\J629266A.raw

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288 <210> SEQ ID NO: 23
289 <211> LENGTH: 20
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: primer
296 <400> SEQUENCE: 23
297 tgctggggttt gctcctgatg 20
300 <210> SEQ ID NO: 24
301 <211> LENGTH: 22
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: primer
308 <400> SEQUENCE: 24
309 cccattgag aggtttcggt ag 22
312 <210> SEQ ID NO: 25
313 <211> LENGTH: 22
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: primer
320 <400> SEQUENCE: 25
321 gaatctctct ttctcccaac gc 22
324 <210> SEQ ID NO: 26
325 <211> LENGTH: 22
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: primer
332 <400> SEQUENCE: 26
333 tttttttctc tgtgcttccc cc 22
336 <210> SEQ ID NO: 27
337 <211> LENGTH: 22
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: primer
344 <400> SEQUENCE: 27
345 atcgtggata cgctggagtg tg 22
348 <210> SEQ ID NO: 28
349 <211> LENGTH: 24
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: primer
356 <400> SEQUENCE: 28
357 aacttgttct ctggcaaact gtgg 24
360 <210> SEQ ID NO: 29

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/629,266A

DATE: 08/27/2004

TIME: 12:41:21

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\08272004\J629266A.raw



IFWO

## RAW SEQUENCE LISTING

DATE: 08/25/2004

PATENT APPLICATION: US/10/629,266A

TIME: 15:38:52

Input Set : A:\1010-93.SEQUENCE.ST25.txt

Output Set: N:\CRF4\08252004\J629266A.raw

3 <110> APPLICANT: Zhang, Yeyan  
 4 Wilson, C. Ron  
 5 Craft, David L.  
 6 Eirich, L. Dudley  
 7 Frayer, Robert  
 9 <120> TITLE OF INVENTION: USE OF POX4 PROMOTER TO INCREASE GENE EXPRESSION IN Candida  
 10 tropicalis  
 12 <130> FILE REFERENCE: U0158 OS/OAPT (1010-93)  
 14 <140> CURRENT APPLICATION NUMBER: 10/629,266A  
 15 <141> CURRENT FILING DATE: 2003-07-29  
 17 <150> PRIOR APPLICATION NUMBER: 60/401,212  
 18 <151> PRIOR FILING DATE: 2002-08-05  
 20 <160> NUMBER OF SEQ ID NOS: 34  
 22 <170> SOFTWARE: PatentIn version 3.2

Does Not Comply  
 Corrected Diskette Needed  
 (pg. 12)

## RORED SEQUENCES

420 <210> SEQ ID NO: 34  
 421 <211> LENGTH: 23  
 422 <212> TYPE: PRT  
 423 <213> ORGANISM: Artificial Sequence  
 425 <220> FEATURE:  
 426 <223> OTHER INFORMATION: peptide derived from C-terminal end of deduced amino acid  
 427 sequence of NCP1 gene  
 429 <400> SEQUENCE: 34  
 431 Ser Glu Asp Lys Ala Ala Glu Leu Val Lys Ser Trp Lys Val Gln Asn  
 432 1 5 10 15  
 435 Arg Tyr Gln Glu Asp Val Trp  
 436 20  
 -> 450 8

Delete

VERIFICATION SUMMARY

DATE: 08/25/2004

PATENT APPLICATION: US/10/629,266A

TIME: 15:38:53

Input Set : A:\1010-93.SEQUENCE.ST25.txt

Output Set: N:\CRF4\08252004\J629266A.raw

L:450 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:34✓